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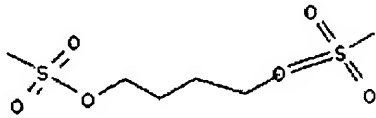
### Busulfan

**Busulfan** is a chemotherapy drug that is an alkylating agent (slows the growth of cancer cells). It is marketed in the US by GlaxoSmithKline under the brand name **Myleran**, and has been in clinical use since 1959. Currently, its main uses are in bone marrow transplantation, especially in Chronic myelogenous leukemia (CML), where it is used as a conditioning drug. Toxicity may include pulmonary fibrosis and hyperpigmentation.

Busulfan also induces thrombocytopenia, a condition of lowered blood platelet count and activity. The drug was recently used in a study (published April 2006, *Science*) to examine the role of platelet-transported serotonin in liver regeneration.

## External links

- [Myleran](#) (PDF prescribing information)
- [Busulfan](#) (patient information)

 <p><i>Busulfan</i></p>	
1,4-bis(methylsulfonyloxy)butane <i>IUPAC name</i>	
<b>CAS number</b> 55-98-1	<b>ATC code</b> [[ATC_code_1]] [1]
<b>PubChem</b> 148760	<b>DrugBank</b> APRD00664
<b>Chemical formula</b>	C <sub>6</sub> H <sub>14</sub> O <sub>6</sub> S <sub>2</sub>
<b>Molecular weight</b>	246.304
<b>Bioavailability</b>	?
<b>Metabolism</b>	?
<b>Elimination half-life</b>	?
<b>Excretion</b>	?
<b>Pregnancy category</b>	?
<b>Legal status</b>	Approved Drug
<b>Routes of administration</b>	Oral, Parenteral



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**Treosulphan** caps: 250mg [£2.54]. \_ Caution: Ifosfamide and high dose cyclophosphamide ... **Multiple sclerosis** - beta-interferon and glatiramer acetate. ...

[www.northdevonhealth.nhs.uk/ndht/departments/](http://www.northdevonhealth.nhs.uk/ndht/departments/clinical_support/pharmacy/FORMULARIES/HF%20-%20ch8%20main.htm)

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**Current Opinion in Hematology - Fulltext: Volume 12(3) May 2005 p ...**

Dose-escalated **treosulphan** in combination with cyclophosphamide as a new ... Fassas A, Nash R: **Multiple sclerosis**. Best Pract Res Clin Haematol 2004, ...

[www.co-hematology.com/pt/re/cohematology/fulltext.00062752-200505000-](http://www.co-hematology.com/pt/re/cohematology/fulltext.00062752-200505000-00005.htm;jsessionid=GQ2bNHhJdvMI2NW...)

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Morgan; ... escalated **treosulphan** in combination with ...

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